ELSEVIER

Mechanisms of Ageing and Development
107 (1999) 359

mechanisms of ageing and development

Author index of volume 107

Akaboshi, M. **107**, 347
Amenta, F. **107**, 147
Amenta, P.S. **107**, 37
Azhar, S. **107**, 197

Barron, M. **107**, 61
Baumgartner, R.N. **107**, 123
Belda, J.I. **107**, 159
Bergamini, C. **107**, 21
Berlett, B.S. **107**, 323
Berti, G. **107**, 21
Biagi, P.L. **107**, 181
Bigelow, D.J. **107**, 221
Bordoni, A. **107**, 181
Bosch-Morell, F. **107**, 159
Brolin, R.E. **107**, 37
Bronzetti, E. **107**, 147
Bryl, E. **107**, 1

Castle, S.C. **107**, 137
Crawford, W. **107**, 137

Dawson, R., Jr. **107**, 73
Díaz-Llopis, M. **107**, 159
Deshmukh, D.R. **107**, 37
Dorheim, M.A. **107**, 205

El-Salhy, M. **107**, 93
Eppler, B. **107**, 73

Felici, L. **107**, 147
Ferrington, D.A. **107**, 221
Foerster, J. **107**, 1
Fringuelli, C. **107**, 147
Fujii, N. **107**, 347
Fujita, T. **107**, 271
Furuichi, Y. **107**, 51

Gallagher, D. **107**, 123
Garry, P.J. **107**, 123
Giuliani, A.L. **107**, 21
Goto, M. **107**, 51
Goto, S. **107**, 245
Goyns, M.H. **107**, 61
Graldi, G. **107**, 21
Grammas, P. **107**, 205
Greenstock, C.L. **107**, 15
Gutsmann-Conrad, A. **107**, 255

Heydari, A.R. **107**, 255
Holmlund, F. **107**, 93
Horiuchi, S. **107**, 333
Horrobin, D.F. **107**, 181
Hrelia, S. **107**, 181

Ide, T. **107**, 51
Ishii, N. **107**, 245, 347

Jacob, J.M. **107**, 205
Jones, G.L. **107**, 105

Kawamura, Y. **107**, 281
Kitani, K. **107**, 299
Kodama, M. **107**, 347
Komano, H. **107**, 281

Leers-Sucheta, S. **107**, 197
Lenton, K.J. **107**, 15
Levine, R.L. **107**, 323
Liu, S. **107**, 73
Lorenzini, A. **107**, 181
Lorenzini, F. **107**, 21

Makinodan, T. **107**, 137
Maruyama, N. **107**, 271
Matsumoto, K. **107**, 333
Melandri, P. **107**, 21
Merry, B.J. **107**, 61
Michikawa, M. **107**, 233
Miller, R.A. **107**, 165
Momose, Y. **107**, 347
Morley, J.E. **107**, 123
Moskovitz, J. **107**, 323
Mosoni, L. **107**, 323
Myśliwska, J. **107**, 1
Myśliwski, A. **107**, 1

Nagai, R. **107**, 333
Nakamoto, H. **107**, 245
Nakamura, A. **107**, 245
Pahlavani, M.A. **107**, 255
Patterson, T. **107**, 73
Pora, R. **107**, 21
Puertas, F.J. **107**, 159

Radak, Z. **107**, 245
Rao, D.V. **107**, 105
Richardson, A. **107**, 255
Romá, J. **107**, 159
Romero, F.J. **107**, 159

Sabbatini, M. **107**, 147
Sagratella, S. **107**, 147
Sakurai, Y. **107**, 245
Salehi, M. **107**, 61
Sandström, O. **107**, 93
Sano, H. **107**, 333
Schöneich, C. **107**, 221
Shah, P.C. **107**, 37
Shirasawa, T. **107**, 271
Stadtman, E.R. **107**, 323
Stocco, D.M. **107**, 197
Sudoh, S. **107**, 281
Sugimoto, M. **107**, 51

Takahashi, R. **107**, 245
Takita, M. **107**, 347
Torboli, M. **107**, 21

Unis, L. **107**, 21
Uyemura, K. **107**, 137

Verenini, M. **107**, 21
Vilela, C. **107**, 159
Viner, R.I. **107**, 221

Wang, R. **107**, 281
Waters, D.L. **107**, 123
Watson, K. **107**, 105
Witkowski, J.M. **107**, 165
Wong, W. **107**, 137

Yanagisawa, K. **107**, 233, 281
Yasuda, K. **107**, 245

PII: S0047-6374(99)00019-6

ELSEVIER

Mechanisms of Ageing and Development
107 (1999) 361–365

mechanisms of ageing and development

Subject index of volume 107

Advanced glycation end products (AGE); Atherosclerosis; AGE-receptor; Macrophage scavenger receptor **107**, 333

Ageing; AP-1; Brain; Fluorescence in situ hybridization; *fos*; *jun*; Purkinje cell **107**, 61

Ageing; Health status; TNFα **107**, 1

Ageing; Heat shock proteins; Human peripheral lymphocytes; Heat shock **107**, 105

AGE-receptor; Atherosclerosis; Advanced glycation end products (AGE); Macrophage scavenger receptor **107**, 333

Age-related macular degeneration; Vitamin E; Hyperlipidemia; Sun exposure; Oxidative stress; Antioxidants **107**, 159

Aging; Ca^{2+}-binding protein; cDNA; Ca^{2+} homeostasis; Hepatocyte; Liver; Renal tubular epithelia; SMP30; Senescence marker protein-30 **107**, 271

Aging; Computerized image analysis; Enteric nervous system; Gastrointestinal tract; Immunocytochemistry; Mice **107**, 93

Aging; Lateral mobilities of proteins; Hepatocyte surface membranes; FRAP; Intracellular enzyme activities **107**, 299

Aging; Leydig; Rat; StAR; Steroidogenesis **107**, 197

Aging; Nitric oxide synthase; Rat; Polyclonal antibody; Protein immunoreactivity **107**, 205

Aging; Protein oxidation; Protein carbonyl; Exercise; Nematode; Vitellogenin **107**, 245

Aging; Reperfusion injury; Intestine; Antioxidant enzymes **107**, 37

Aging; SR Ca-ATPase; Peroxynitrite; Peroxyl radicals; Thiols; Nitrotyrosine **107**, 221

Aging; Taurine; Dietary antioxidants; Sulfur amino acids **107**, 73

Aging; T lymphocyte activation; T lymphocyte subsets; Signal transduction; Drug resistance; Sorcin **107**, 165

Alzheimer's disease; Apolipoprotein E; Cholesterol synthesis; Neuronal cell death; HMG-CoA reductase **107**, 233

Alzheimer's disease; Presenilin 1; Amyloid β-protein **107**, 281

Amyloid β-protein; Alzheimer's disease; Presenilin 1 **107**, 281

Antioxidant enzymes; Aging; Reperfusion injury; Intestine **107**, 37

Antioxidant; β-phycoerythrin; Plasma **107**, 15

Antioxidants; Age-related macular degeneration; Vitamin E; Hyperlipidemia; Sun exposure; Oxidative stress **107**, 159

Antioxidants; Methionine; Protein oxidation; Methionine sulfoxide; Methionine sulfoxide reductase **107**, 323

Anti-spectrin antibodies; Red blood cell aging; Clearance **107**, 21

AP-1; Ageing; Brain; Fluorescence in situ hybridization; *fos*; *jun*; Purkinje cell **107**, 61

PII: S0047-6374(99)00020-2

Apolipoprotein E; Alzheimer's disease; Cholesterol synthesis; Neuronal cell death; HMG-CoA reductase **107**, 233

β-Aspartic acid; α-Crystallin; D-Aspartic acid; Isomerization; Inversion; Racemization **107**, 347

Atherosclerosis; Advanced glycation end products (AGE); AGE-receptor; Macrophage scavenger receptor **107**, 333

B-lymphoblastoid cell line; Immortalization; Epstein–Barr virus; Telomerase activity; Extrachromosomal telomere repeat DNA **107**, 51

Brain; Ageing; AP-1; Fluorescence in situ hybridization; *fos*; *jun*; Purkinje cell **107**, 61

Ca^{2+}-binding protein; Aging; cDNA; Ca^{2+} homeostasis; Hepatocyte; Liver; Renal tubular epithelia; SMP30; Senescence marker protein-30 **107**, 271

Ca^{2+} homeostasis; Aging; Ca^{2+}-binding protein; cDNA; Hepatocyte; Liver; Renal tubular epithelia; SMP30; Senescence marker protein-30 **107**, 271

Cardiomyocytes; Docosahexaenoic acid; Eicosapentaenoic acid; Essential fatty acids; γ-Linolenic acid; Senescence **107**, 181

cDNA; Aging; Ca^{2+}-binding protein; Ca^{2+} homeostasis; Hepatocyte; Liver; Renal tubular epithelia; SMP30; Senescence marker protein-30 **107**, 271

Cholesterol synthesis; Alzheimer's disease; Apolipoprotein E; Neuronal cell death; HMG-CoA reductase **107**, 233

Clearance; Red blood cell aging; Anti-spectrin antibodies **107**, 21

Computerized image analysis; Aging; Enteric nervous system; Gastrointestinal tract; Immunocytochemistry; Mice **107**, 93

α-Crystallin; β-Aspartic acid; D-Aspartic acid; Isomerization; Inversion; Racemization **107**, 347

D-Aspartic acid; α-Crystallin; β-Aspartic acid; Isomerization; Inversion; Racemization **107**, 347

Dietary antioxidants; Taurine; Aging; Sulfur amino acids **107**, 73

Docosahexaenoic acid; Cardiomyocytes; Eicosapentaenoic acid; Essential fatty acids; γ-Linolenic acid; Senescence **107**, 181

Drug resistance; Aging; T lymphocyte activation; T lymphocyte subsets; Signal transduction; Sorcin **107**, 165

Eicosapentaenoic acid; Cardiomyocytes; Docosahexaenoic acid; Essential fatty acids; γ-Linolenic acid; Senescence **107**, 181

Elderly men; Predictors; Skeletal muscle mass; Elderly women **107**, 123

Elderly women; Predictors; Skeletal muscle mass; Elderly men **107**, 123

Enteric nervous system; Aging; Computerized image analysis; Gastrointestinal tract; Immunocytochemistry; Mice **107**, 93

Epstein–Barr virus; Immortalization; B-lymphoblastoid cell line; Telomerase activity; Extra-chromosomal telomere repeat DNA **107**, 51

Essential fatty acids; Cardiomyocytes; Docosahexaenoic acid; Eicosapentaenoic acid; γ-Linolenic acid; Senescence **107**, 181

Exercise; Protein oxidation; Protein carbonyl; Aging; Nematode; Vitellogenin **107**, 245

Extra-chromosomal telomere repeat DNA; Immortalization; B-lymphoblastoid cell line; Epstein–Barr virus; Telomerase activity **107**, 51

Fluorescence in situ hybridization; Ageing; AP-1; Brain; *fos*; *jun*; Purkinje cell **107**, 61

fos; Ageing; AP-1; Brain; Fluorescence in situ hybridization; *jun*; Purkinje cell **107**, 61

FRAP; Lateral mobilities of proteins; Hepatocyte surface membranes; Intracellular enzyme activities; Aging **107**, 299

Gastrointestinal tract; Aging; Computerized image analysis; Enteric nervous system; Immunocytochemistry; Mice **107**, 93

Health status; Ageing; TNFα **107**, 1

Heat shock; Ageing; Heat shock proteins; Human peripheral lymphocytes **107**, 105

Heat shock proteins; Ageing; Human peripheral lymphocytes; Heat shock **107**, 105

Heat shock proteins; Liver; Spleen; Hsp70; Heat shock transcription factor **107**, 255

Heat shock transcription factor; Liver; Spleen; Heat shock proteins; Hsp70 **107**, 255

Hepatocyte; Aging; Ca^{2+}-binding protein; cDNA; Ca^{2+} homeostasis; Liver; Renal tubular epithelia; SMP30; Senescence marker protein-30 **107**, 271

Hepatocyte surface membranes; Lateral mobilities of proteins; FRAP; Intracellular enzyme activities; Aging **107**, 299

HMG-CoA reductase; Alzheimer's disease; Apolipoprotein E; Cholesterol synthesis; Neuronal cell death **107**, 233

Hsp70; Liver; Spleen; Heat shock proteins; Heat shock transcription factor **107**, 255

Human peripheral lymphocytes; Ageing; Heat shock proteins; Heat shock **107**, 105

Hyperlipidemia; Age-related macular degeneration; Vitamin E; Sun exposure; Oxidative stress; Antioxidants **107**, 159

Immortalization; B-lymphoblastoid cell line; Epstein–Barr virus; Telomerase activity; Extrachromosomal telomere repeat DNA **107**, 51

Immunocytochemistry; Aging; Computerized image analysis; Enteric nervous system; Gastrointestinal tract; Mice **107**, 93

Intestine; Aging; Reperfusion injury; Antioxidant enzymes **107**, 37

Intracellular enzyme activities; Lateral mobilities of proteins; Hepatocyte surface membranes; FRAP; Aging **107**, 299

Inversion; α-Crystallin; β-Aspartic acid; D-Aspartic acid; Isomerization; Racemization **107**, 347

Isomerization; α-Crystallin; β-Aspartic acid; D-Aspartic acid; Inversion; Racemization **107**, 347

jun; Ageing; AP-1; Brain; Fluorescence in situ hybridization; *fos*; Purkinje cell **107**, 61

Lateral mobilities of proteins; Hepatocyte surface membranes; FRAP; Intracellular enzyme activities; Aging **107**, 299

Lesions; Nitric oxide; Neuronal induction; Nucleus basalis magnocellularis; NADPH-diaphorase; Rat **107**, 147

Leydig; Aging; Rat; StAR; Steroidogenesis **107**, 197

γ-Linolenic acid; Cardiomyocytes; Docosahexaenoic acid; Eicosapentaenoic acid; Essential fatty acids; Senescence **107**, 181

Liver; Aging; Ca^{2+}-binding protein; cDNA; Ca^{2+} homeostasis; Hepatocyte; Renal tubular epithelia; SMP30; Senescence marker protein-30 **107**, 271

Liver; Spleen; Heat shock proteins; Hsp70; Heat shock transcription factor **107**, 255

Macrophage scavenger receptor; Atherosclerosis; Advanced glycation end products (AGE); AGE-receptor **107**, 333

Methionine; Antioxidants; Protein oxidation; Methionine sulfoxide; Methionine sulfoxide reductase **107**, 323

Methionine sulfoxide; Methionine; Antioxidants; Protein oxidation; Methionine sulfoxide reductase **107**, 323

Methionine sulfoxide reductase; Methionine; Antioxidants; Protein oxidation; Methionine sulfoxide **107**, 323

Mice; Aging; Computerized image analysis; Enteric nervous system; Gastrointestinal tract; Immunocytochemistry **107**, 93

NADPH-diaphorase; Nitric oxide; Neuronal induction; Nucleus basalis magnocellularis; Lesions; Rat **107**, 147

Nematode; Protein oxidation; Protein carbonyl; Aging; Exercise; Vitellogenin **107**, 245

Neuronal cell death; Alzheimer's disease; Apolipoprotein E; Cholesterol synthesis; HMG-CoA reductase **107**, 233

Neuronal induction; Nitric oxide; Nucleus basalis magnocellularis; Lesions; NADPH-diaphorase; Rat **107**, 147

Nitric oxide; Neuronal induction; Nucleus basalis magnocellularis; Lesions; NADPH-diaphorase; Rat **107**, 147

Nitric oxide synthase; Rat; Aging; Polyclonal antibody; Protein immunoreactivity **107**, 205

Nitrotyrosine; SR Ca-ATPase; Aging; Peroxynitrite; Peroxyl radicals; Thiols **107**, 221

Nucleus basalis magnocellularis; Nitric oxide; Neuronal induction; Lesions; NADPH-diaphorase; Rat **107**, 147

Oxidative stress; Age-related macular degeneration; Vitamin E; Hyperlipidemia; Sun exposure; Antioxidants **107**, 159

Peroxyl radicals; SR Ca-ATPase; Aging; Peroxynitrite; Thiols; Nitrotyrosine **107**, 221

Peroxynitrite; SR Ca-ATPase; Aging; Peroxyl radicals; Thiols; Nitrotyrosine **107**, 221

β-phycoerythrin; Antioxidant; Plasma **107**, 15

Plasma; β-phycoerythrin; Antioxidant **107**, 15

Polyclonal antibody; Nitric oxide synthase; Rat; Aging; Protein immunoreactivity **107**, 205

Predictors; Skeletal muscle mass; Elderly men; Elderly women **107**, 123

Presenilin 1; Alzheimer's disease; Amyloid β-protein **107**, 281

Protein carbonyl; Protein oxidation; Aging; Exercise; Nematode; Vitellogenin **107**, 245

Protein immunoreactivity; Nitric oxide synthase; Rat; Aging; Polyclonal antibody **107**, 205

Protein oxidation; Methionine; Antioxidants; Methionine sulfoxide; Methionine sulfoxide reductase **107**, 323

Protein oxidation; Protein carbonyl; Aging; Exercise; Nematode; Vitellogenin **107**, 245

Purkinje cell; Ageing; AP-1; Brain; Fluorescence in situ hybridization; *fos*; *jun* **107**, 61

Racemization; α-Crystallin; β-Aspartic acid; D-Aspartic acid; Isomerization; Inversion **107**, 347

Rat; Aging; Leydig; StAR; Steroidogenesis **107**, 197

Rat; Nitric oxide; Neuronal induction; Nucleus basalis magnocellularis; Lesions; NADPH-diaphorase **107**, 147

Rat; Nitric oxide synthase; Aging; Polyclonal antibody; Protein immunoreactivity **107**, 205

Red blood cell aging; Clearance; Anti-spectrin antibodies **107**, 21

Renal tubular epithelia; Aging; Ca^{2+}-binding protein; cDNA; Ca^{2+} homeostasis; Hepatocyte; Liver; SMP30; Senescence marker protein-30 **107**, 271

Reperfusion injury; Aging; Intestine; Antioxidant enzymes **107**, 37

Senescence; Cardiomyocytes; Docosahexaenoic acid; Eicosapentaenoic acid; Essential fatty acids; γ-Linolenic acid **107**, 181

Senescence marker protein-30; Aging; Ca^{2+}-binding protein; cDNA; Ca^{2+} homeostasis; Hepatocyte; Liver; Renal tubular epithelia; SMP30 **107**, 271

Signal transduction; Aging; T lymphocyte activation; T lymphocyte subsets; Drug resistance; Sorcin **107**, 165

Skeletal muscle mass; Predictors; Elderly men; Elderly women **107**, 123

SMP30; Aging; Ca^{2+}-binding protein; cDNA; Ca^{2+} homeostasis; Hepatocyte; Liver; Renal tubular epithelia; Senescence marker protein-30 **107**, 271

Sorcin; Aging; T lymphocyte activation; T lymphocyte subsets; Signal transduction; Drug resistance **107**, 165

Spleen; Liver; Heat shock proteins; Hsp70; Heat shock transcription factor **107**, 255

SR Ca-ATPase; Aging; Peroxynitrite; Peroxyl radicals; Thiols; Nitrotyrosine **107**, 221

StAR; Aging; Leydig; Rat; Steroidogenesis **107**, 197

Steroidogenesis; Aging; Leydig; Rat; StAR **107**, 197

Sulfur amino acids; Taurine; Aging; Dietary antioxidants **107**, 73

Sun exposure; Age-related macular degeneration; Vitamin E; Hyperlipidemia; Oxidative stress; Antioxidants **107**, 159

Taurine; Aging; Dietary antioxidants; Sulfur amino acids **107**, 73

Telomerase activity; Immortalization; B-lymphoblastoid cell line; Epstein–Barr virus; Extra-chromosomal telomere repeat DNA **107**, 51

Thiols; SR Ca-ATPase; Aging; Peroxynitrite; Peroxyl radicals; Nitrotyrosine **107**, 221

T lymphocyte activation; Aging; T lymphocyte subsets; Signal transduction; Drug resistance; Sorcin **107**, 165

T lymphocyte subsets; Aging; T lymphocyte activation; Signal transduction; Drug resistance; Sorcin **107**, 165

TNFα; Ageing; Health status **107**, 1

Vitamin E; Age-related macular degeneration; Hyperlipidemia; Sun exposure; Oxidative stress; Antioxidants **107**, 159

Vitellogenin; Protein oxidation; Protein carbonyl; Aging; Exercise; Nematode **107**, 245